Title Amendment: Page 1 line 5
Application No. 10/613,880

UNITED STATES SPECIFICATION

Be It known that I, Henryk P. Jakubowski, a citizen of the United States of America, residing at 65-10 108th St. Apt.5H, Forest Hills, NY 11375-1827, has invented certain new and useful improvements in an

~~INFLATABLE~~ (currently amended) SELF-INFLATABLE AND FULLY ADJUSTABLE FOOT AND SEAT SUPPORT FOR TRAVELERS

of which the following is a specification.

Specification Amendment: Page 4 Line 18
Application No. 10/613,880

Recent safety concerns for airline travelers prohibits passengers from carrying sources of compress gas in the cabin, therefore ~~bathtub/torus design~~ (currently amended) cut out with accordion style sides at the bottom of the gas pillow of the foot rest (see Fig.2) offers advantage over simple flat bottom design, by utilizing minimum amount of the air needed to inflate the air pillow and achieve full deployment with all its functions. Placement of the air bag on the back of the seat will provide lumbar support (see Fig.5), or on the seat itself (see Fig.7), will provide relieve for the spine and will help in adjustment of seating position especially useful for taller than average passengers.

Specification amendment: Page 13 Line 3, 9, 10, 13
Application No.10/613,880

describes donut or toroid shape incorporated into the design of the seating pad for purpose of, and I quote "for preventing slipping of a person seated on said sitting region" Present invention uses ~~bathtub design~~ (currently amended) cut out with accordion sides at the bottom of the air bag (donut, toroid) for limiting amount of the gas in the air pillow, in order to make inflation of the bag easier. This feature is especially convenient because current federal safety regulations prohibit the use or possession of compressed air (gas) sources or aerosols in the cabin of the airplane which otherwise might be used to inflate the footrest. Whether inflating the foot support using a manual pump or inflating the foot rest by mouth, this design will greatly contribute to ease of use of "~~Inflatable~~ (currently amended) Self-Inflatable and Fully Adjustable Foot, and Seat Support for Travelers". In addition present invention uses ~~bathtub design~~ (currently amended) cut out with accordion sides at the bottom of the air bag as a means to achieve full function of an foot rest with minimum amount of a gas to inflate it, and still obtain full function capabilities and desired shape. Present invention however does not address ~~the design of inflation method~~ (currently amended) method of inflation of the air bag. (new) Pulling apart bottom and top panel of the air bag will result in self-inflation.

Most likely the inflation tube with the stopper will be incorporated into the design U.S. Patent No. 6,125,486 (Rabon) entitled: "Seat for Treating Prostatitis" uses donut design for reducing the occurrence of and providing relief from prostatitis, and I quote "In particular, the adaptation of the seat in rough-riding vehicle would reduce perineal trauma. ... The user sits in the tube and as a result pressure to the perineum is avoided and pressure is supported by the legs, hip or rear area." Present invention uses

Specification amendment: Page 15 line 5, 7,
Application No. 10/613,880

Fig. 1 shows top view of a foot rest with Velcro straps attachment points A,

B, C, D, E and G placed by a user at typical points on the upper surface of a foot rest.

a, b, c, d, e, f shows points for the cross section axis of illustrations. G represents possible

attachment point for lanyard.

Fig.2 shows bottom view of a foot rest, showing ~~bathtub design~~ (currently amended) cut out with accordion style sides ath the bottom of the air bag F and Velcro attachment points A, B, C, D, at the bottom surface.

Fig. 3 shows cross section view at the a, b axis showing ~~bathtub design~~ (currently amended) cut out with accordion style sides at the bottom of the air bag F with accordion walls H

Fig. 4 shows diagram of cross section at c, d, axis showing placement of adjustable Velcro straps (see Fig. 8 or Fig. 9), placed at points A and C, on the surfaces of an air pillow and going over accordion sides for typical and (natural) support of both feet.

Specification amendment: Page 16 Line 17, 19 ,22
Application No. 10/613,880

Fig. 12 shows diagram of cross section at a, b, axis showing placement of adjustable Velcro straps (see Fig. 8 or Fig. 9), on the top surface of an air pillow at the point E (see Fig.1) to be left unattached to the feet of the passengers. .

Fig. 13 shows economy embodiment of the invention with two flat panels one on the top and other on the bottom, instead ~~bathtub design~~ (currently amended) cut out with accordion style sides at the bottom of the air bag

DETAILED DESCRIPTION OF THE PREFFERRED EMBODIMENTS

As seen in Fig.1 "~~Inflatable~~ (currently amended) Self-Inflatable and Fully Adjustable Foot and Seat Support" offers

innovative use of Velcro straps and can be manufactured in conjunction with any other impregnable material, such as plastic or rubber.

Figure 1 shows the top view of "~~Inflatable~~ (currently amended) Self-Inflatable and Fully Adjustable Foot and Seat Support for the Travelers"

Specification amendment: Page 17 Line 6,
Application No. 10/613,880

mentioned attachment points are also basis for the innovation. Until now there was no attempt to provide full adjustment of height and angulations of inflatable travel pillow. Velcro straps (see Fig. 8 and Fig. 9) permits full adaptation of the device to specific requirement and preferences of the each individual traveler. By having accordion sides (see Fig.3) user will be able to adjust the height and angles of the air pillow to his or her preferences by shortening or lengthening all or some of above-mentioned Velcro straps.

(new) and self –inflate air pillow

By keeping all the straps A, B, C, D, at equal length (see Fig.7) height of the foot rest could be adjusted. While air pillow support is designed primarily as a foot support, it could be used in this configuration as a seating device. This use will greatly benefit tall passengers, by relieving muscle tension or changing posture when sitting intermittingly on it, or for heavyset people, by cushioning or reliving muscle compression.

Fig. 4 shows the way angle of the foot support could be adjusted by shortening straps C and D, for better support of the feet or more comfortable seating.

Lateral adjustment (see Fig. 6) will permit peoples with one leg shorter than other full support of both feet, and softer inflation afforded by use of the straps, will help people with deformed or injured feet better support and comfort.

Fig. 5 shows another embodiment of the air pillow as a lumbar support by having crease J made on the top of the bag (see Fig.5a), and straps A, B, C, D, shortened and pillow placed on the back of the seat. Once adjusted to desired length Velcro straps will retain its position even after repeated deflation or inflation of the foot rest after each use or trip.

~~Bathtub constructions~~ (currently amended) Cut out at the bottom of the air bag F (see Fig. 2 and Fig. 3) is designed to minimize amount of the air needed to inflate the travel pillow to desired dimensions and shape. This feature is especially important in the light of current safety restrictions for use of compressed air sources aboard the airplane by passengers in the cabin. Manual pumps or inflation by mouth will be less strenuous with bathtub design and will take less time to achieve its full inflation.

Innovative Velcro straps (see Fig. 8 and Fig. 9), will permit not only different configuration of the air pillow itself, but will expand the comfort in use of the bag. Attaching the straps to the user's feet will permit the securing of optional appliances such as vibrators or flameless heating pads directly to the passenger's feet. This will enhance comfort during travel. In addition it might possibly stimulate blood circulation. Many passengers remove their shoes during long flights, therefore using a heating device secured to the feet will keep them warm in the over air-conditioned passenger cabin. This could be accomplished by looping and fastening part a of the strap (see Fig.9) around the attachment and fastening and looping part b. around the foot to desired comfort.

Modification of the strap (see Fig. 8 and/or Fig. 9) will be better suitable as a means of

Specification amendment: Page 18 Line 2
Application No. 10/613,880

sources aboard the airplane by passengers in the cabin. Manual pumps or inflation by mouth will be less strenuous with ~~bathtub design~~ (currently amended) cut out with accordion sides at the bottom of the air bag and will take less time to achieve its full inflation.

Innovative Velcro straps (see Fig. 8 and Fig. 9), will permit not only different configuration of the air pillow itself, but will expand the comfort in use of the bag.

Specification amendment: page 20 Line 2
Application No. 10/613,880

IN ANOTHER EMBODIMENT

Fig. 13 show the economy embodiment of the air pillow, where ~~bathtub design~~ (currently amended) cut out with accordion sides at the bottom of the air bag is eliminated and instead two flat surfaces are employed. This construction is used in the instances there is not a proscription on using compressed source of gas e.g. on the buses or on trains or when the price of the appliance is the factor. In this instance Velcro straps could also be purchased separately.